

Exhibit 2



Blast 2 Sequences results

PubMed

Entrez

BLAST

OMIM

Taxonomy

Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.14 [May-07-2006]

Match: 1 Mismatch: -2 gap open: 5 gap extension: 2

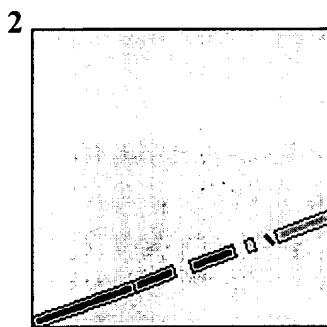
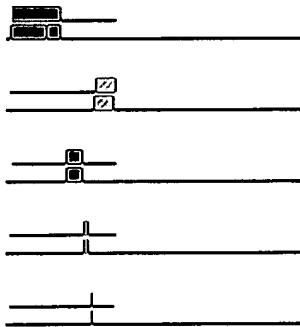
x_dropoff: 50 expect: 10.000 wordsize: 11 Filter View option StandardMasking character option X for protein, n for nucleotide Masking color option Black Show CDS translation Align

Sequence 1: gi|4454551|gb|AF113003.1|AF113003 SEQ ID NO:4

Length = 3094 (1 .. 3094)

Sequence 2: gi|4559297|gb|AF125672.1|AF125672

Length = 8686 (1 .. 8686)



NOTE: Bitscore and expect value are calculated based on the size of the nr database.

NOTE: If protein translation is reversed, please repeat the search with reverse strand of the query sequence.



Score = 2680 bits (1394), Expect = 0.0
 Identities = 1465/1480 (98%), Gaps = 3/1480 (0%)
 Strand=Plus/Plus

Query 1	CATGTCGGGCTCCACACAGCTTGTGGCACAGACGTGGAGGGCCACTGAGCCCCGCTACCC	60
Sbjct 156	CATGTCGGGCTCCACACAGCCTGTGGCACAGACGTGGAGGGCCACTGAGCCCCGCTACCC	215
Query 61	GCCCCACAGCCTTCCTACCCAGTGCAGATGCCGGACGCACACGGACGTGGCTCCT	120
Sbjct 216	GCCCCACAGCCTTCCTACCCAGTGCAGATGCCGGACGCACACGGACGTGGCTCCT	275
Query 121	GGAGTACCAAGCACCACCTCCCGACTATGCCTCCCACCTGTCGCCGGCTCCATCATCCA	180

Score = 1013 bits (527), Expect = 0.0
Identities = 561/564 (99%), Gaps = 0/564 (0%)
Strand=Plus/Plus

Query	2831	CTCCTCACCCGACTGGCGACCCCGGGCAATGCCTCACCCAGAAGCCACTGGACCTG	2890
Sbjct	2932	CTCCTCACCCGACTGGCGACCCCGGGCAATGCCTCACCCAGAAGCCACTGGACCTG	2991
Query	2891	AAGCAGCTGAAGCAGCGAGCGGCTGCCATnnnnnnnnATCCAGGTACCAAAGTCCATGAG	2950
Sbjct	2992	AAGCAGCTGAAGCAGCGAGCGGCTGCCATCCCCCATCCAGGTACCAAAGTCCATGAG	3051
Query	2951	nnnnnnnnGGGAGGACGCAGCTCCACCAAGCCAGCTCCCCAGCCCCACCGCCACCGCAA	3010
Sbjct	3052	CCCCCCCCGGGAGGACGCAGCTCCACCAAGCCAGCTCCCCAGCCCCACCGCCACCGCAA	3111
Query	3011	AACCTGCAGCCGGAGAGCGACGCCCTCAGCAGCCTGGCAGCAGCCCCGGGCAAGAGC	3070
Sbjct	3112	AACCTGCAGCCGGAGAGCGACGCCCTCAGCAGCCTGGCAGCAGCCCCGGGCAAGAGC	3171
Query	3071	AGGAGCCGGCACCCCCCGCCGAC	3094
Sbjct	3172	AGGAGCCGGCACCCCCCGCCGAC	3195



Score = 898 bits (467), Expect = 0.0
 Identities = 467/467 (100%), Gaps = 0/467 (0%)
 Strand=Plus/Plus

Query	1633	CCTCCTCAAGGAGAACAGACGACACCTCAGGGGAGGACAACGACGAGAAGGAGGCTGT	1692
Sbjct	1785	CCTCCTCAAGGAGAACAGACGACACCTCAGGGGAGGACAACGACGAGAAGGAGGCTGT	1844
Query	1693	GGCCTCAAAGGCCGAAACTGCCAACAGCCAGGGAAAGACGCAAAGGCCGATCACCG	1752
Sbjct	1845	GGCCTCAAAGGCCGAAACTGCCAACAGCCAGGGAAAGACGCAAAGGCCGATCACCG	1904
Query	1753	CTCAATGGCTAATGAGGCCAACAGCGAGGAGGCCATCACCCCCAGCAGAGCGCCGAGCT	1812
Sbjct	1905	CTCAATGGCTAATGAGGCCAACAGCGAGGAGGCCATCACCCCCAGCAGAGCGCCGAGCT	1964
Query	1813	GGCCTCCATGGAGCTGAATGAGAGTTCTCGCTGGACAGAAGAAGAAATGAAACAGCAA	1872
Sbjct	1965	GGCCTCCATGGAGCTGAATGAGAGTTCTCGCTGGACAGAAGAAGAAATGAAACAGCAA	2024
Query	1873	GAAAGGTCTCTGGAACACGGCGCAACTGGTCGGCCATGCCCGGATGGTGGCTCAA	1932
Sbjct	2025	GAAAGGTCTCTGGAACACGGCGCAACTGGTCGGCCATGCCCGGATGGTGGCTCAA	2084
Query	1933	GACTGTGCGAGTGAAGAACTTCTACTTCAACTACAAGAACAGGGCAGAACCTCGATGA	1992
Sbjct	2085	GACTGTGCGAGTGAAGAACTTCTACTTCAACTACAAGAACAGGGCAGAACCTCGATGA	2144
Query	1993	GATCTTGCAGCAGCACAAAGCTGAAGATGGAGAAGGAGAGGAACGCGCGGAGGAAGAAGAA	2052
Sbjct	2145	GATCTTGCAGCAGCACAAAGCTGAAGATGGAGAAGGAGAGGAACGCGCGGAGGAAGAAGAA	2204
Query	2053	GAAAGGCCGGCGCCAGCGAGGCTGCATTCCGCCGTGG	2099

Sbjct 2205 GAAAGCGCCGGCGCGGCCAGCGAGGAGGCTGCATTCCCGCCCGTGG 2251

Score = 154 bits (80), Expect = 2e-33
Identities = 80/80 (100%), Gaps = 0/80 (0%)
Strand=Plus/Plus

Query 2218 AGCCACTGTCAACAAACAGCTCAGACACCGAGAGCATCCCCTCTCCTCACACTGAGGCCGC 2277
Sbjct 2319 AGCCACTGTCAACAAACAGCTCAGACACCGAGAGCATCCCCTCTCCTCACACTGAGGCCGC 2378

Query 2278 CAAGGACACAGGGCAGAATG 2297
Sbjct 2379 CAAGGACACAGGGCAGAATG 2398

Score = 48.8 bits (25), Expect = 0.12
Identities = 27/28 (96%), Gaps = 0/28 (0%)
Strand=Plus/Plus

Query 2444 CCCTCTGCACCTCCTCCTGTGGTCCCCA 2471
Sbjct 2545 CCCTCTTCACCTCCTCCTGTGGTCCCCA 2572

CPU time: 0.05 user secs. 0.02 sys. secs 0.07 total secs.

Lambda K H
1.33 0.621 1.12

Gapped
Lambda K H
1.33 0.621 1.12

Matrix: blastn matrix:1 -2
Gap Penalties: Existence: 5, Extension: 2
Number of Sequences: 1
Number of Hits to DB: 1177
Number of extensions: 44
Number of successful extensions: 7
Number of sequences better than 10.0: 1
Number of HSP's gapped: 5
Number of HSP's successfully gapped: 5
Length of query: 3094
Length of database: 17,886,619,220
Length adjustment: 27
Effective length of query: 3067

Effective length of database: 17,886,619,193
Effective search space: 54858261064931
Effective search space used: 54858261064931
X1: 11 (21.1 bits)
X2: 26 (50.0 bits)
X3: 26 (50.0 bits)
S1: 16 (31.5 bits)
S2: 22 (43.0 bits)